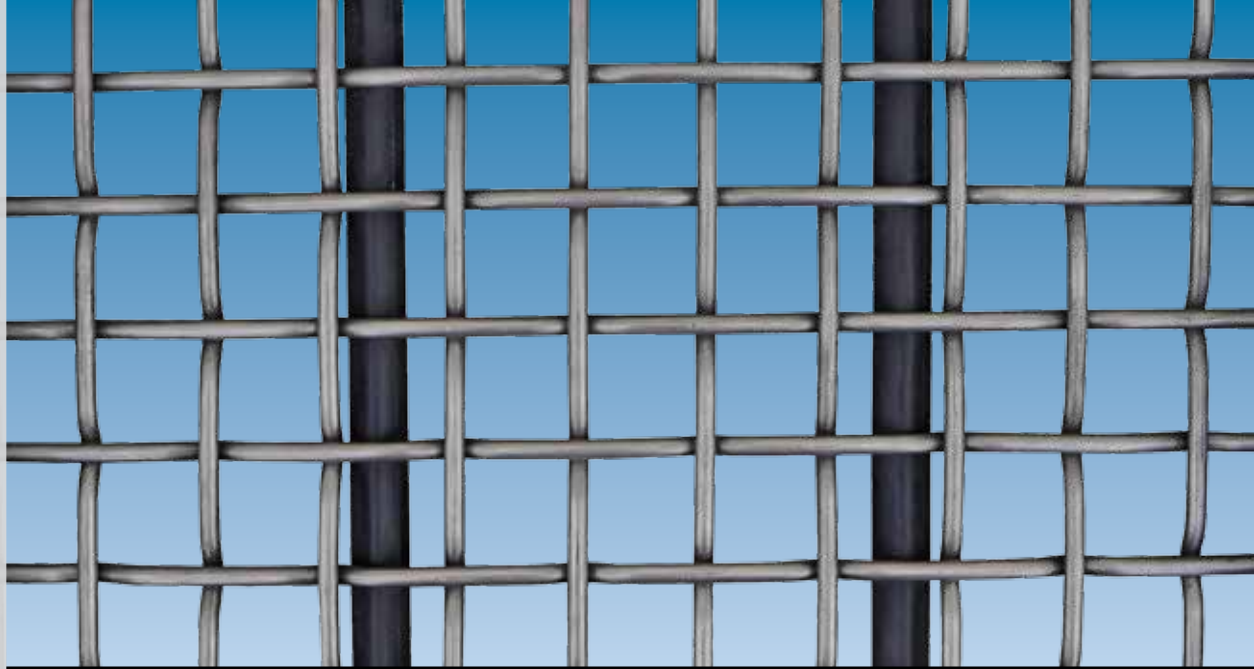


# Metallic Screens



Screening  
Media

4

#### 4. Metallic Screens

- 4.1. Type A-F Extra fine screen
- 4.2. Type A Extra fine reinforced screen
- 4.3. Type A Double crimp screen
- 4.4. Type A-L Crimped straight wire screen
- 4.5. Type A Single or double intermediate crimp screen
- 4.6. Type E Flat top screen
- 4.7. Type B-F Crimped rectangular extra fine screen
- 4.8. Type B Crimped rectangular screen
- 4.9. Type C Slotted screen
- 4.10. Type C Slotted crimped screen
- 4.11. Type D Flat rectangular screen
- 4.12. Type D-D Reinforced flat rectangular screen
- 4.13. Hook types
- 4.14. Available apertures



# Metallic Screens

Metallic screens are the most widely used screens in the aggregate and mining industries, due to their high screening area, precision and price ratio.

They are manufactured in different geometries (square or slotted meshes) and different weaving styles (double crimped, flat mesh, etc.). All metallic meshes have very precise screening capability due to their crimping style and are manufactured using the best steel alloy to withstand high abrasion, tension and impact.

Manufacturing high quality meshes also requires a strong focus on the inside tension of the mesh. NUBA Screening Media has the know-how that comes with experience to ensure the appropriate tension to avoid minimum vibrations that can cause the mesh to break.

## Manufactured under the following standards:

- High-Resistance Steel: UNE-EN-10270-1:2012  
ISO 8458-2:2002  
DIN 17223
- Stainless Steel: UNE-EN-10088-3:2008  
Stainless Steel Quality:  
Austenitic: AISI-304 / EN-1.4301  
AISI-316L / EN-1.4404  
AISI-310 / EN-1.4845  
Duplex: AISI-S32001 / EN-1.4482
- Technical requirements and testing:  
ISO-14315:1997, ISO-4783-3:1981,  
ISO-9044:1999, ISO-2194:1991

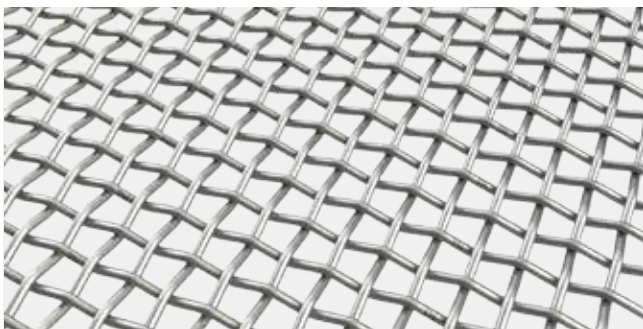
### Square aperture mesh:

This is the most used type of mesh in screening, due to its very high precision. There are two types according to the crimping style:

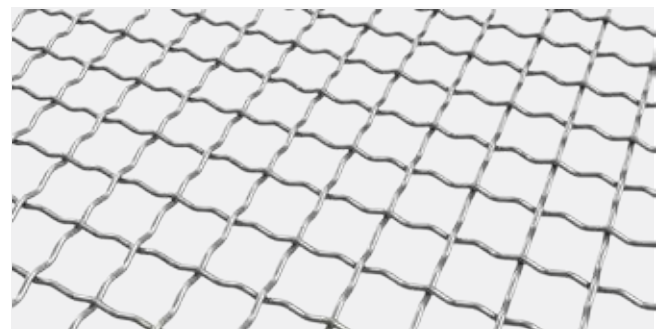
**Type A:** (Double crimp mesh), manufactured with crimped wires that form an irregular surface, which makes the material rotate along the surface of the screen, giving it more

possibility of being classified. This type is mainly used in small aperture sizes, from 0.168mm onwards, and achieves precise classification using small wire diameters.

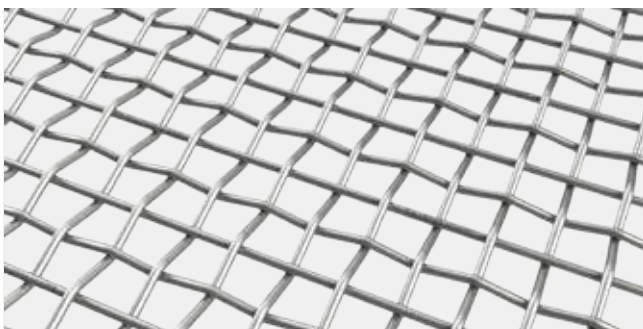
**Type E:** (Flat-top mesh), is manufactured with wires crimped on one side only, making a flat-top working surface, thus extending the screens durability and allowing bigger apertures with high precision. It is generally used with coarse material.



Type A Double crimped screen



Type A Single or double intermediate crimped screen



Type A-L Crimped straight wire screen

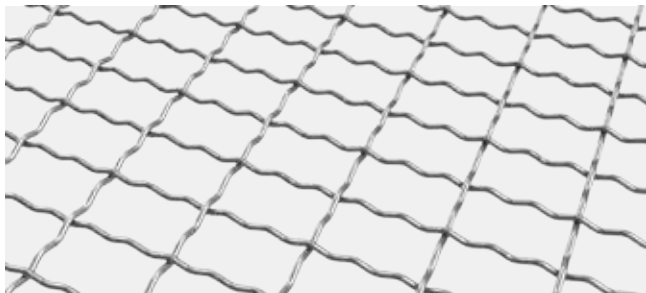


Type E Flat top screen

# Metallic Screens

## Rectangular aperture mesh:

These meshes have high screening area, a more self-cleaning effect and allow elongated particles to go through, reducing precision but increasing capacity. The rectangle shape works differently if placed perpendicular to the flow or parallel. In the first case it reduces the speed of the material flowing on its surface giving particles more time to go through the apertures; in the second case it allows more material to be processed but reduces precision.



Type B Crimped rectangular screen



Type C Slotted screen



Type D Flat rectangular screen



Type D-D Reinforced flat rectangular screen

**Type B** meshes have crimped wires similar to type A mesh, adjusting the amount of intermediate crimps we can configure the desired rectangle, **type C** meshes combines crimps and flat areas on the wire, making long slots which have a higher self-cleaning effect and **type D** meshes use indistinctly crimped and flat undulated wires which tend to maintain a flat work surface, using high diameter or double wires to achieve greater resistance to heavy materials.

Fig. 1

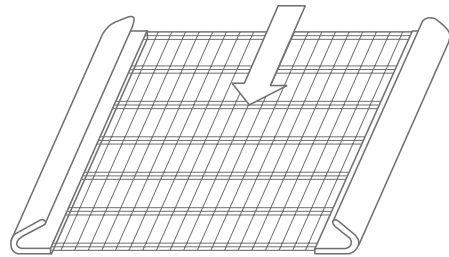


Fig. 2

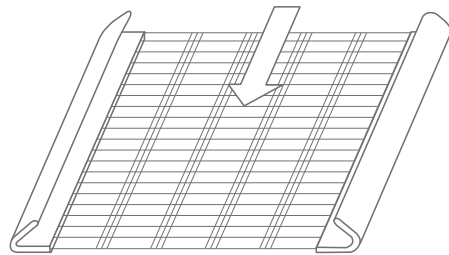


Fig. 3

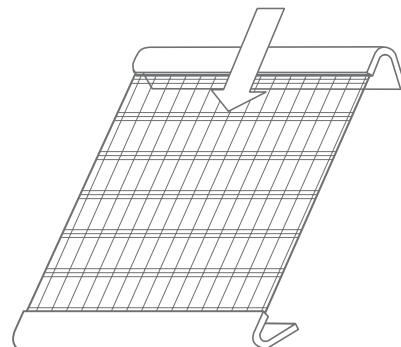
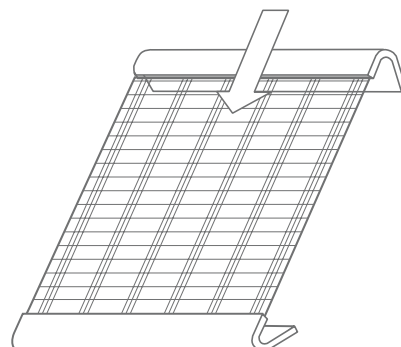


Fig. 4

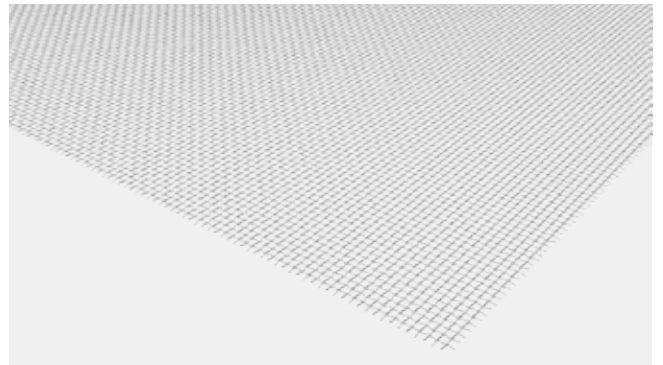
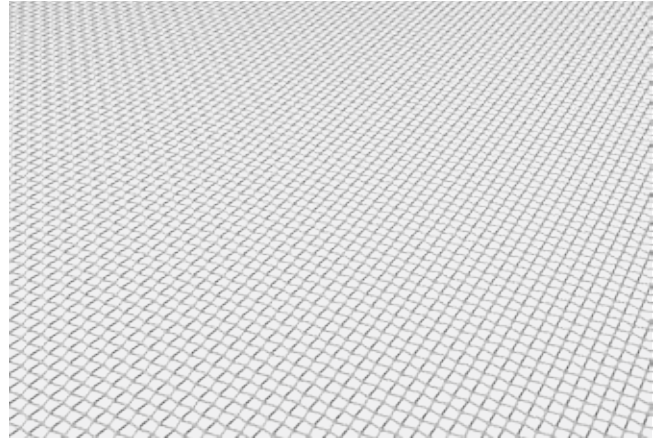
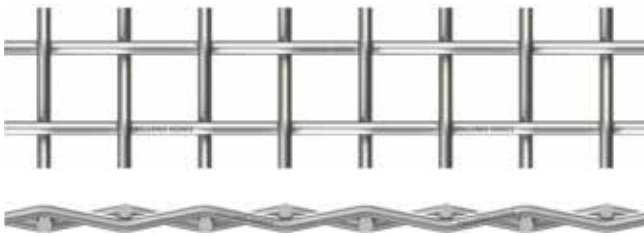


## Square Metallic Mesh

### Type A-F Extra fine screen

#### Characteristics

- Using the thinnest wires available, in order to obtain the most screening area capacity. Mainly made in stainless steel, but also available in high carbon steel.
- The wires of this type of mesh are crimped to achieve maximum rigidity.
- The apertures of this range of meshes go from 0.168 mm to 5 mm. (Other apertures on demand)



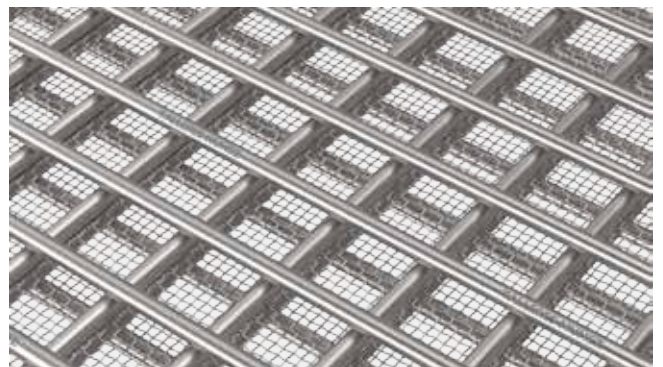
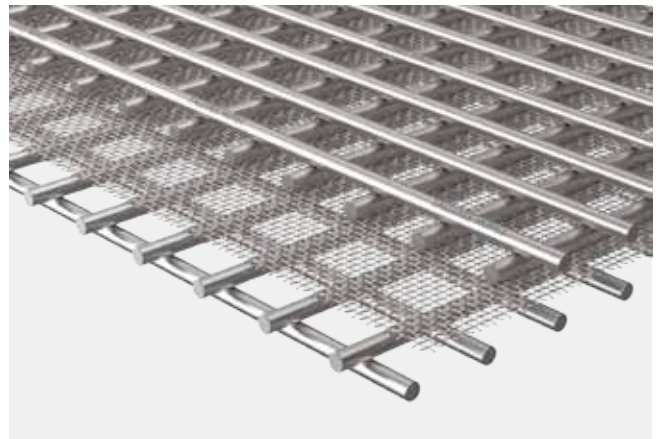
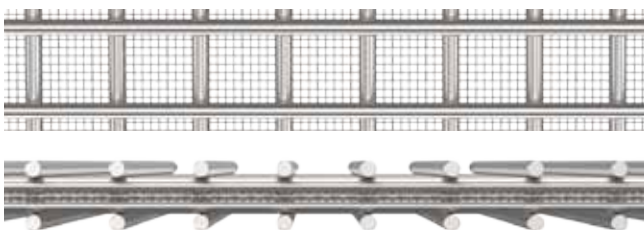
4.2

## Square Metallic Mesh

### Type A Extra fine reinforced screen

#### Characteristics

- Designed to withstand large loads, it consists a type A-F extra fine meshes pressed between two electrowelded meshes or type A meshes with a larger aperture. A wide range of aperture combinations are available between each mesh.

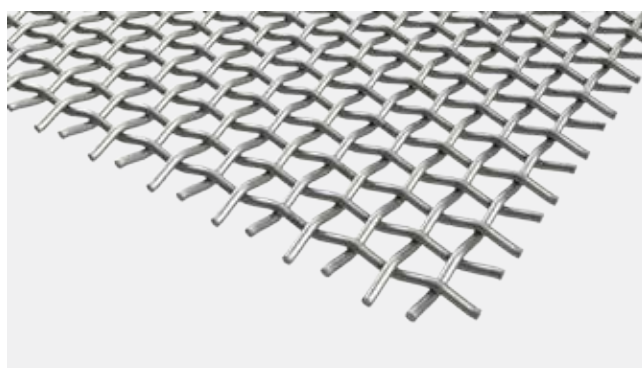
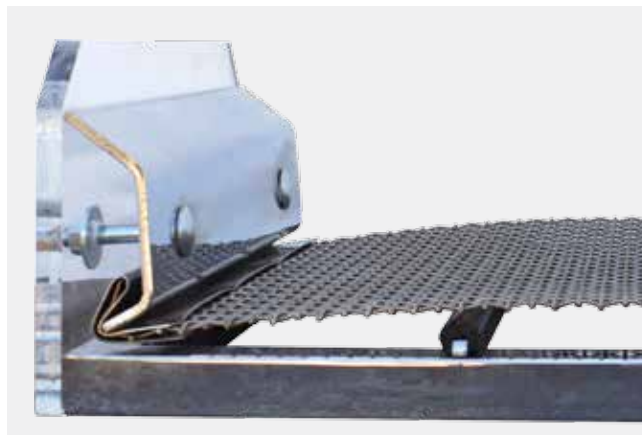
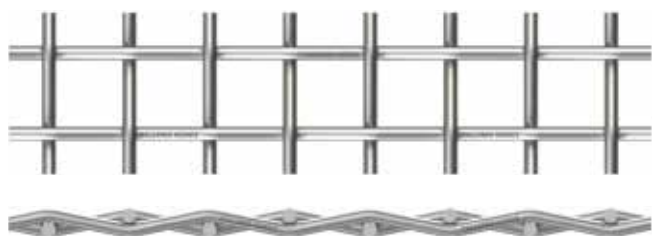


## Square Metallic Mesh

### Type A Double crimp screen

#### Characteristics

- Manufactured with crimped wires to achieve maximum rigidity.
- Crimped with high precision tools to obtain precise screening apertures.
- They work perfectly in conditions where materials are not sticky or with a high tendency to peg or wedge. With great precision and high performance thanks to their high percentage of screening area.
- The high tensile strength of the steel used allows great resistance to vibration and a long wear life.



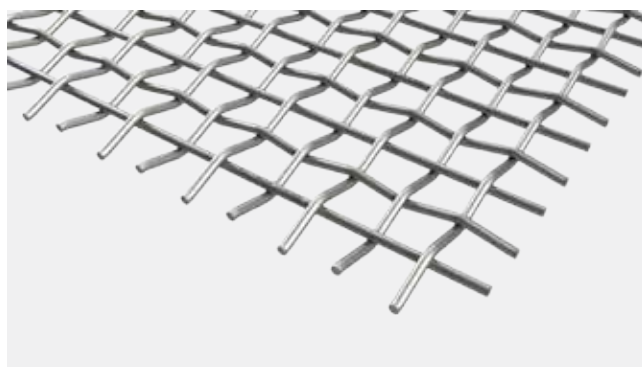
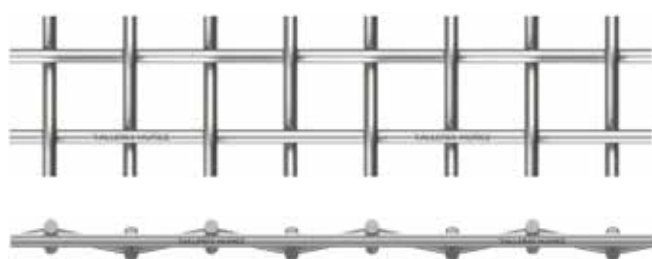
4.4

## Square Metallic Mesh

### Type A-L Crimped straight wire screen

#### Characteristics

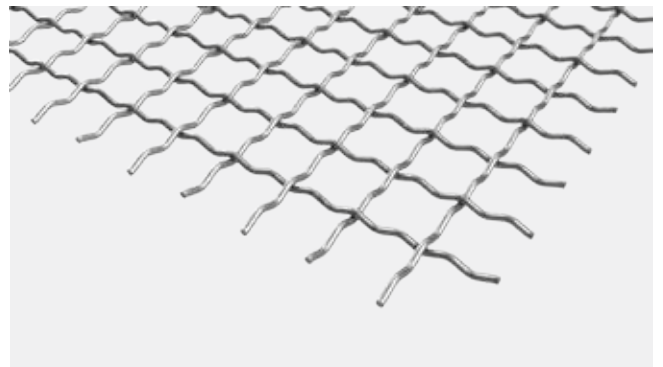
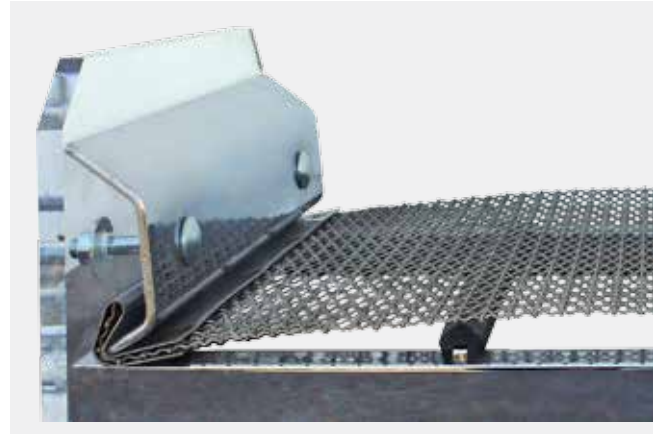
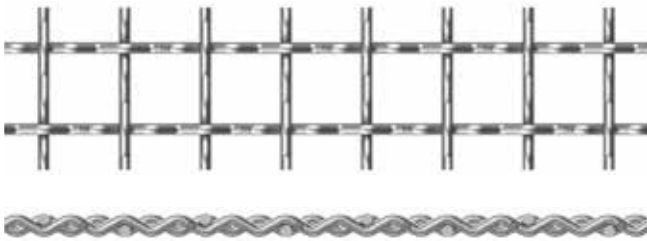
- Manufactured with crimped and straight wires in a similar way to type A meshes, so that when tensioning the straight wires it allows a different vibration on the crimped wires, resulting in a self-cleaning effect.
- These meshes have a similar cutting precision to type A meshes.
- Its self-cleaning properties increase its production capacity.



## Square Metallic Mesh Type A Single or double intermediate crimp screen

### Characteristics

- This mesh is similar to Type A mesh, having the same type of crimped wires, but these have intermediate crimps in the apertures making wires more rigid, allowing larger apertures with the same wire diameters.
- It is used in applications that need big aperture size and small wire diameter.

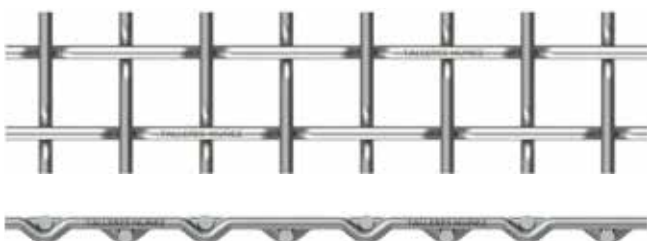


4.6

## Square Metallic Mesh Type E Flat top screen

### Characteristics

- This type of mesh is manufactured with wires crimped on one side only, making a flat-top working surface, this extends the screens durability and allows bigger apertures with high precision. It is generally used with coarse material.
- Its robust, non-deformable structure allows it to work under heavy loads in extreme conditions.
- Its flat working surface makes it resist heavy wear giving it a higher life span.



- Aperture mesh 40/8 after 550 hours with 98% SiO<sub>2</sub> aggregate.
- Even wear throughout the work surface and the nodes dressing the mesh remain intact.

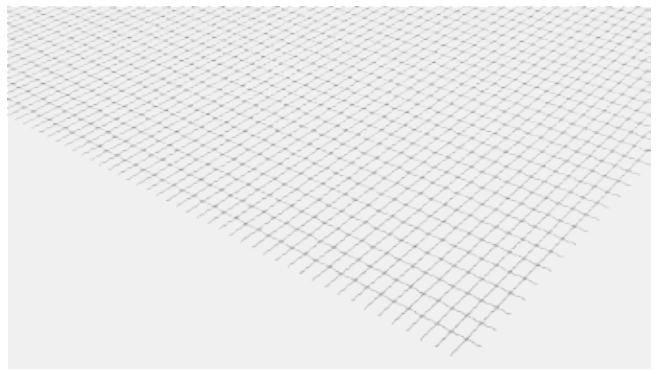
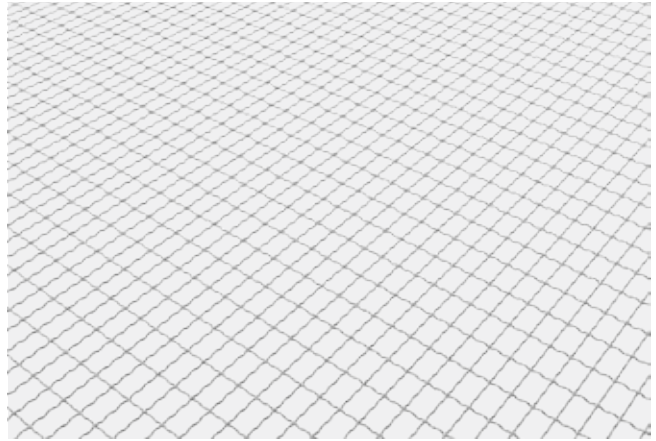


## Rectangular Metallic Mesh

### Type B-F Crimped rectangular extra fine screen

#### Characteristics

- Using the thinnest wires available, in order to obtain the most screening area capacity. Mainly made in stainless steel, but also available in high carbon steel.
- Its rectangular aperture is achieved allowing intermediate crimps between the wires.



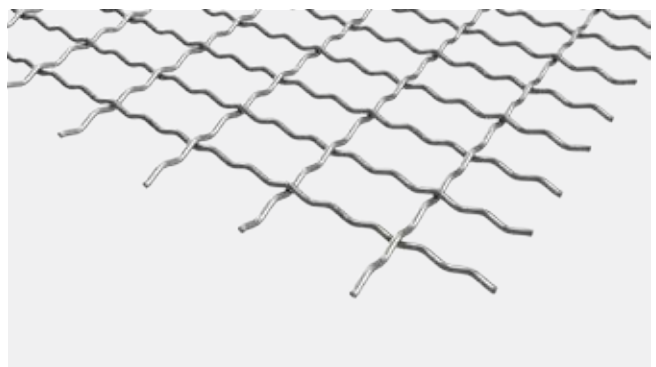
4.8

## Rectangular Metallic Mesh

### Type B Crimped rectangular screen

#### Characteristics

- This mesh has crimped wires similar to type A mesh, by adjusting the amount of intermediate crimps we can configure the desired rectangle aperture.

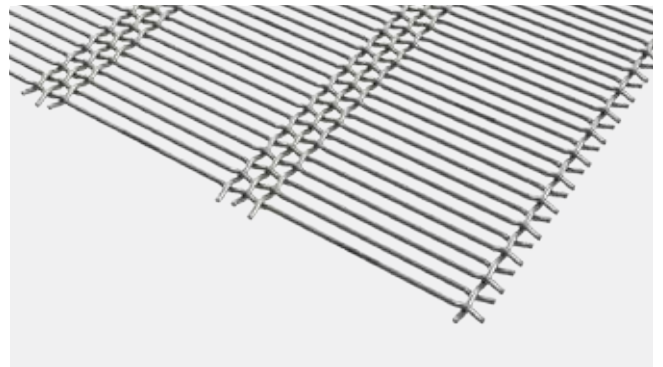
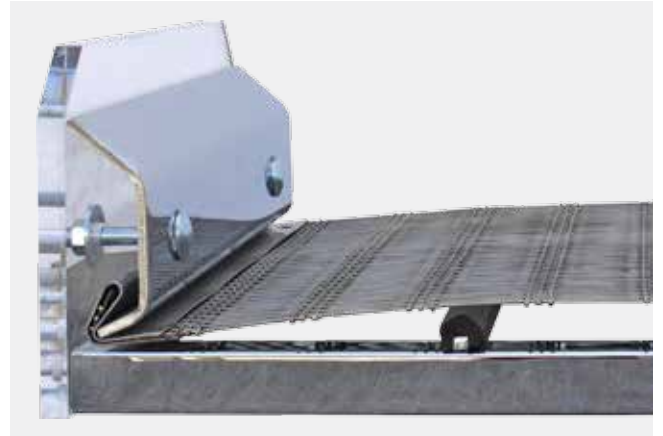




## Rectangular Metallic Mesh Type C Slotted screen

### Characteristics

- It is formed by wires with different crimping: those which secure the mesh on the small side of the rectangle aperture are type A crimps and those on the long side of the rectangle aperture have a combination of straight and crimped areas.
- This type of mesh has high screening area in its cross bands.
- The slot shape aperture has good self-cleaning effect, making it a good choice for screening humid and sticky materials.
- The direction of the slot varies considerably its application; for more information please refer to the rectangular meshes section of this catalogue. (See page 30)

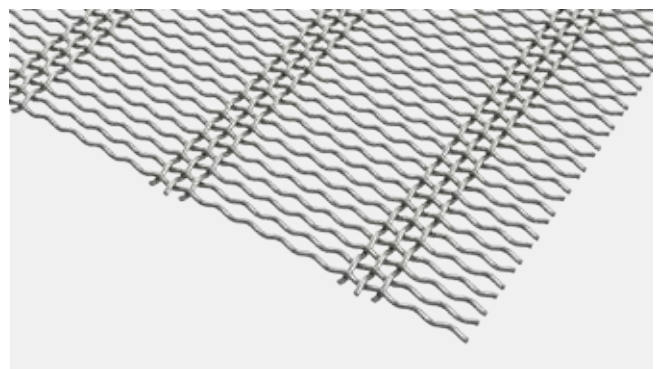
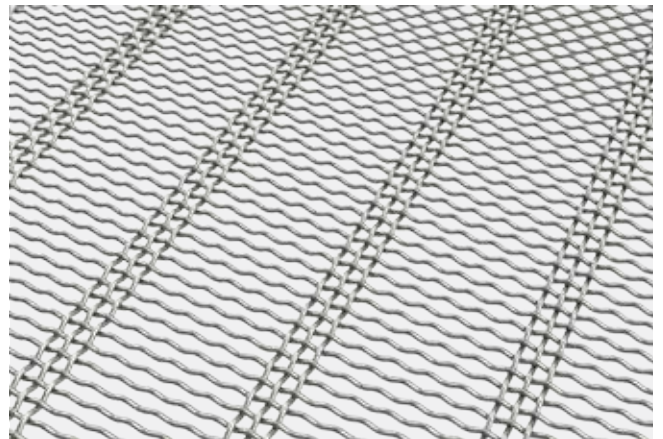


4.10

## Rectangular Metallic Mesh Type C Slotted crimped screen

### Characteristics

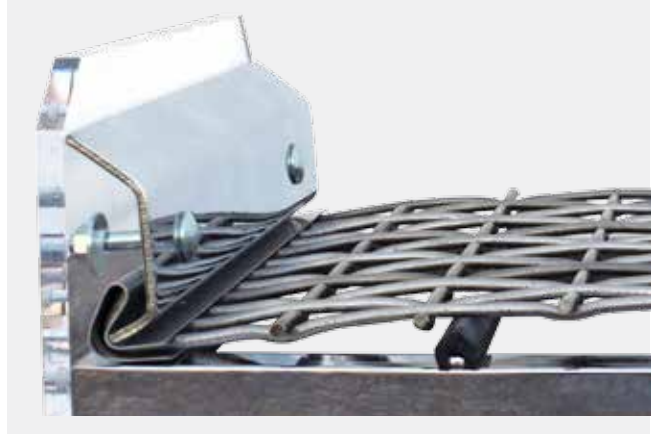
- This mesh has similar characteristics to type C mesh, but has crimped wires instead of straight wires, this gives it more rigidity and allows the material to turn and rotate more on its surface



## Rectangular Metallic Mesh Type D Flat rectangular screen

### Characteristics

- This type of mesh is similar to type E mesh but having weft and warp wires with crimps at a different pitch, making the rectangular aperture.
- It is used not only to avoid wedging of the materials to be classified, but also, depending on the position of the rectangular aperture, to reject or classify elongated particles.

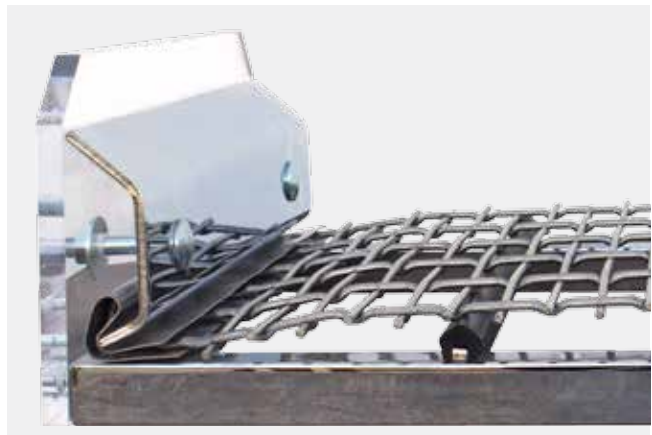
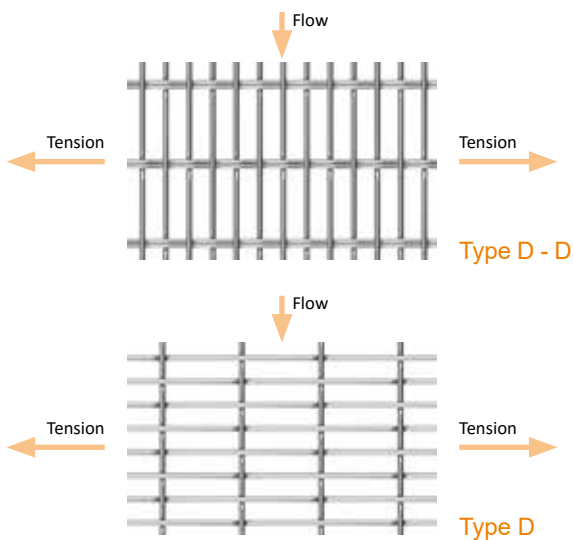


4.12

## Rectangular Metallic Mesh Type D-D Reinforced flat rectangular screen

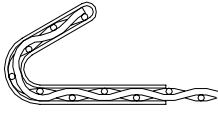
### Characteristics

- It serves the same purpose as the Type D mesh.
- When the tension is carried out on a lesser number of wires, they must be strengthened with double wire:

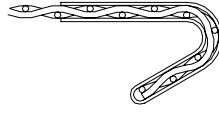


# Hook types

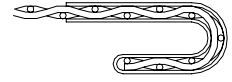
TYPE 1



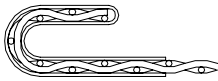
TYPE 1 - BIS



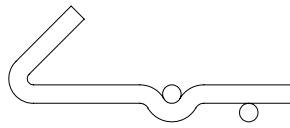
TYPE 2



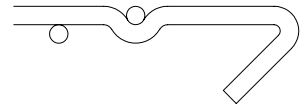
TYPE 2 - BIS



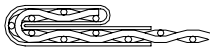
TYPE 3



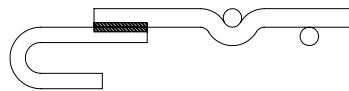
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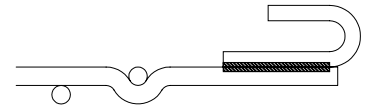
TYPE 4



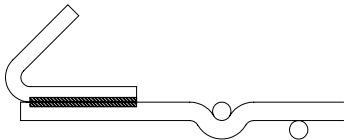
TYPE 5



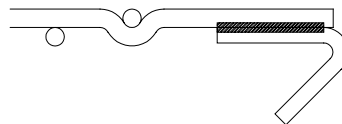
TYPE 5 - BIS



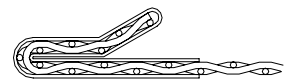
TYPE 6



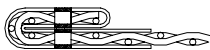
TYPE 6 - BIS



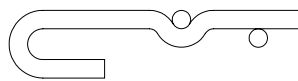
TYPE 7



TYPE 8



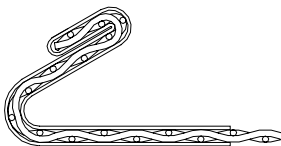
TYPE 9



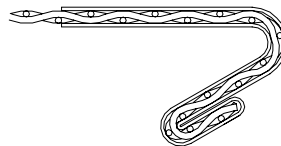
TYPE 9 - BIS



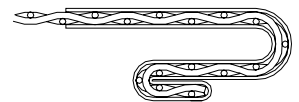
TYPE 10



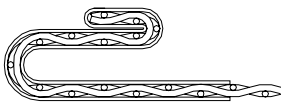
TIPO 10 - BIS



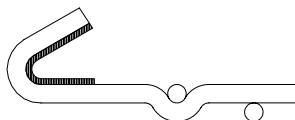
TIPO 11



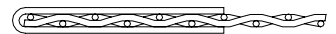
TYPE 11 - BIS



TYPE 12



TYPE 13



## Square apertures

Aperture mm	∅ Wire	Inch	Mesh/Inch	∅ Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type	Std.
0,168	0,11		91	0,004	0,56	37	Aisi 304L	AF	
0,189	0,13		80	0,005	0,68	35	Aisi 304L	AF	
0,220	0,14		71		0,70	37	Aisi 304L	AF	
0,280	0,17		56		0,82	39	Aisi 304L	AF	
0,355	0,20		46	0,008	0,92	41	Aisi 304L	AF	
0,400	0,22	1/64"	41	0,009	1,00	42	Aisi 304L	AF	
0,454	0,24		37	0,009	1,06	43	Aisi 304L	AF	
0,510	0,28		32	0,011	1,27	42	Aisi 304L	AF	
0,550	0,30		30	0,012	1,36	42	Aisi 304L	AF	
0,626	0,30		27	0,012	1,25	46	Aisi 304L	AF	
0,751	0,36	1/32"	23	0,014	1,50	46	Aisi 304L	AF	
0,830	0,24		24	0,009	0,69	60	Aisi 304L	AF	
0,870	0,40		20	0,016	1,62	47	Aisi 304L	AF	
0,989	0,40		18	0,016	1,48	51	Aisi 304L	AF	
1,000	0,50		17	0,020	2,12	44	AR	AF	
1,120	0,42		16	0,017	1,47	53	Aisi 304L	AF	
1,250	0,60		14	0,024	2,47	46	AR	AF	
1,296	0,44		15	0,017	1,43	56	Aisi 304L	AF	
1,484	0,50		13	0,020	1,62	56	Aisi 304L	AF	
1,500	1,20		9	0,047	6,84	31	Aisi 304	A	Std.
1,600	0,80	1/16"	11	0,031	3,39	44	AR	AF	
1,600	1,25	1/16"	9	0,049	6,96	32	AR	A	Std.
1,800	1,20		8	3/64"	6,16	36	Aisi 304	A	
1,814	0,50		11	0,020	1,39	61	Aisi 304L	AF	
2,000	0,80	5/64"	9	0,031	2,93	51	Aisi 304L	AF	
	1,20		8	3/64"	5,77	39	Aisi 304	A	Std.
	1,25		8	0,049	6,11	38	AR	A	
	1,50		7	0,059	8,25	33	Aisi 304	A	
	1,60		7	1/16"	9,03	31	AR	A	Std.
2,177	0,60		9	0,024	1,66	61	Aisi 304L	AF	
2,375	0,80	3/32"	8	0,031	2,59	56	Aisi 304L	AF	
2,500	1,20		7	3/64"	4,99	46	Aisi 304	A	
	1,25		7	0,049	5,29	44	AR	A	
	1,50		6	0,059	7,22	39	Aisi 304	A	
	1,60		6	1/16"	7,93	37	AR	A	Std.
2,722	0,75	7/64"	7	0,030	2,08	61	Aisi 304L	AF	
3,000	1,20		6	3/64"	4,40	51	Aisi 304	A	Std.
	1,25			0,049	4,67	50	AR	A	Std.
	1,50			0,059	6,42	44	Aisi 304	A	Std.
	1,60			1/16"	7,07	43	AR	A	Std.
3,160	0,80	1/8"	6	0,031	2,07	64	Aisi 304L	AF	
3,330	0,90		6	0,035	2,46	62	Aisi 304L	AF	

- **AISI 304L / EN 1.4307:** Austenitic stainless steel with low carbon content.
- **AISI 304 / EN 1.4301:** High resistance austenitic stainless steel.
- **AISI 316 / EN 1.4401:** Austenitic stainless steel with molybdenum to increase the corrosion resistance.
- **AR / EN 10270:** Wear resistant steel with a high content of carbon and manganese.
- **Std.:** Standard wires/apertures.

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## Square apertures

Aperture mm	Ø Wire	Inch	Mesh/Inch	Ø Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type	Std.
3,500	1,20	9/64"	5	3/64"	3,93	51	Aisi 304	A	
	1,25			0,049	4,18	50	AR	A	
	1,50			0,059	5,77	44	Aisi 304	A	
	1,60			1/16"	6,37	43	AR	A	
3,728	0,90		5	0,035	2,25	65	Aisi 304L	AF	
4,00	1,20	5/32"	5	3/64"	3,55	59	Aisi 304	A	
	1,25			0,049	3,78	58	AR	A	
	1,50			0,059	5,25	53	Aisi 304	A	Std.
	1,60			1/16"	5,81	51	AR	A	Std.
	2,00			5/64"	8,55	44	Aisi 304	A	Std.
	2,00			5/64"	8,47	44	AR	A	Std.
4,08	2,50	5/32"	4	0,098	12,21	38	AR	A	
	1,00			0,161	0,039	2,53	65	Aisi 304L	AF
4,50	1,20	11/64"	0,177	3/64"	3,24	62	Aisi 304	A	
	1,25			0,049	3,45	61	AR	A	
	1,50			0,059	4,81	56	Aisi 304	A	
	1,60			1/16"	5,33	54	AR	A	
	2,00			5/64"	7,90	48	Aisi 304	A	
	2,00			5/64"	7,82	48	AR	A	Std.
4,55	2,50	11/64"	0,179	0,098	11,34	41	AR	A	
	1,00			0,179	0,039	2,31	67	Aisi 304L	AF
5,00	1,20	13/64"	0,197	3/64"	2,98	65	Aisi 304	A	Std.
	1,25			0,049	3,18	64	AR	A	
	1,50			0,059	4,44	59	Aisi 304	A	
	1,60			1/16"	4,93	57	AR	A	Std.
	2,00			5/64"	7,33	51	Aisi 304	A	
	2,00			5/64"	7,26	51	AR	A	Std.
	2,50			0,098	10,69	44	Aisi 304	A	
	2,50			0,098	10,58	44	AR	A	Std.
	2,80			7/64"	12,77	41	AR	A	Std.
5,07	3,15	13/64"	0,200	1/8"	40,41	38	AR	A	
	1,10			0,200	0,043	2,52	68	Aisi 304L	AF
5,50	2,00	7/32"	0,217	5/64"	6,84	54	Aisi 304	A	
	2,00			5/64"	6,77	54	AR	A	
	2,50			0,098	10,02	47	Aisi 304	A	
	2,50			0,098	9,92	47	AR	A	Std.
	2,80			7/64"	12,12	44	AR	A	
5,84	1,10	15/64"	0,230	0,043	2,21	71	Aisi 304L	AF	

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- **AISI 316 / EN 1.4401:** Austenitic stainless steel with molybdenum to increase the corrosion resistance.
- **AR / EN 10270:** Wear resistant steel with a high content of carbon and manganese.
- **Std.:** Standard wires/apertures.

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## Square apertures

Aperture mm	Ø Wire	Inch	Mesh/Inch	Ø Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type	Std.
6,00	1,10	15/64"	0,236	0,043	2,19	71	Aisi 304	A.Ond.	Std.
	1,50			0,059	3,85	64	Aisi 304	A	
	1,60			1/16"	4,28	62	AR	A	
	2,00			5/64"	6,42	56	Aisi 304	A	Std.
	2,00			5/64"	6,35	56	AR	A	Std.
	2,50			0,098	9,43	50	Aisi 304	A	
	2,50			0,098	9,34	50	AR	A	
	2,80			7/64"	11,31	46	AR	A	Std.
	3,15			1/8"	13,77	43	AR	A	Std.
6,50	2,00	1/4"	0,256	5/64"	6,04	58	Aisi 304	A	
	2,00			5/64"	5,98	58	AR	A	
	2,50			0,098	8,91	52	Aisi 304	A	
	2,50			0,098	8,82	52	AR	A	
	2,80			7/64"	10,71	49	AR	A	
7,00	1,20	9/32"	0,276	3/64"	2,40	73	Aisi 304	A.Ond.	Std.
	1,60			1/16"	3,78	66	AR	A	
	2,00			5/64"	6,04	60	Aisi 304	A	
	2,00			5/64"	5,64	60	AR	A	Std.
	2,80			7/64"	10,16	51	AR	A	
	3,00			0,118	12,15	49	Aisi 304	A	
	3,15			1/8"	12,42	48	AR	A	Std.
8,00	1,20	5/16"	0,315	3/64"	2,01	76	Aisi 304	A.Ond.	Std.
	2,00			5/64"	5,08	64	AR	A	Std.
	2,00			5/64"	5,13	64	Aisi 304	A	
	2,50			0,098	7,56	58	AR	A	
	2,50			0,098	7,64	58	Aisi 304	A	
	3,00			0,118	10,50	53	Aisi 304	A	
	3,15			1/8"	11,30	51	AR	A	Std.
	4,00			5/32"	16,93	44	AR	A	
	9,00			2,00	23/64"	0,354	5/64"	4,62	67
2,00		5/64"	4,67	67			Aisi 304	A	
2,50		0,098	6,90	61			AR	A	
2,50		0,098	6,97	61			Aisi 304	A	
3,00		0,118	9,62	56			Aisi 304	A	
3,15		1/8"	10,37	55			AR	A	Std.
4,00		5/32"	15,63	48			AR	A	
10,00	1,50	25/64"	0,394	0,059	2,51	76	Aisi 304	A.Ond.	Std.
	2,00			5/64"	4,23	69	AR	A	Std.
	2,00			5/64"	4,28	69	Aisi 304	A	
	3,00			0,098	8,88	59	Aisi 304	A	
	3,15			1/8"	9,58	58	AR	A	
	4,00			5/32"	14,66	51	Aisi 304	A	
	4,00			5/32"	14,51	51	AR	A	Std.
	5,00			13/64"	21,17	44	AR	A	

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- **AISI 304 / EN 1.4301:** High resistance austenitic stainless steel.
- **AISI 316 / EN 1.4401:** Austenitic stainless steel with molybdenum to increase the corrosion resistance.
- **AR / EN 10270:** Wear resistant steel with a high content of carbon and manganese.
- **Std.:** Standard wires/apertures.

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## Square apertures

Aperture mm	Ø Wire	Inch	Mesh/Inch	Ø Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type	Std.
11,00	3,00	7/16"	0,433	0,098	8,25	62	Aisi 304	A	
	3,15			1/8"	8,91	60	AR	A	
	4,00			5/32"	13,55	54	AR	A	Std.
	5,00			13/64"	19,84	47	AR	A	
12,00	2,50	15/32"	0,472	0,098	5,47	68	AR	A	
	2,50			0,098	5,53	68	Aisi 304	A	
	3,00			0,118	7,70	64	Aisi 304	A	
	3,15			1/8"	8,32	63	AR	A	
	4,00			5/32"	12,83	56	Aisi 304	A	
	4,00			5/32"	12,70	56	AR	A	Std.
	5,00			13/64"	18,68	50	AR	A	
12,50	2,50	1/2"	0,492	0,098	5,35	69	Aisi 304	A	
	2,50			0,098	5,29	69	AR	A	
	3,15			1/8"	8,05	64	AR	A	
	4,00			5/32"	12,44	57	Aisi 304	A	
	4,00			5/32"	12,32	57	AR	A	
	5,00			13/64"	18,33	51	Aisi 304	E	
	5,00			13/64"	18,14	51	AR	E	Std.
13,00	2,50	33/64"	0,512	0,098	5,12	70	AR	A	
	2,50			0,098	5,17	70	Aisi 304	A	
	4,00			5/32"	12,08	58	Aisi 304	A	
	4,00			5/32"	11,95	58	AR	A	Std.
	6,00			13/64"	24,06	47	AR	A	
13,50	5,00	17/32"		13/64"	17,34	53	Aisi 304	E	
	5,00			13/64"	17,16	53	AR	E	Std.
14,00	2,80	35/64"	0,551	7/64"	5,93	69	AR	A	Std.
	3,00			0,118	6,79	68	Aisi 304	A	
	3,15			1/8"	7,35	67	AR	A	
	4,00			5/32"	11,40	60	Aisi 304	A	
	4,00			5/32"	11,29	60	AR	A	Std.
	5,00			13/64"	16,88	54	Aisi 304	E	
	5,00			13/64"	16,71	54	AR	E	Std.
15,00	3,00	19/32"	0,591	0,118	6,42	69	Aisi 304	A	
	3,15			1/8"	6,94	68	AR	A	
	4,00			5/32"	10,80	62	Aisi 304	E	
	4,00			5/32"	10,69	62	AR	E	Std.
	5,00			13/64"	16,04	56	Aisi 304	E	
	5,00			13/64"	15,88	56	AR	E	Std.
16,00	3,15	5/8"	0,630	1/8"	6,58	70	AR	E	Std.
	4,00			5/32"	10,26	64	Aisi 304	E	
	4,00			5/32"	10,16	64	AR	E	Std.
	5,00			13/64"	15,27	58	Aisi 304	E	
	5,00			13/64"	15,12	58	AR	E	Std.

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- **AISI 316 / EN 1.4401:** Austenitic stainless steel with molybdenum to increase the corrosion resistance.
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## Square apertures

Aperture mm	Ø Wire	Inch	Mesh/Inch	Ø Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type	Std.
17,00	5,00	43/64"	0,669	13/64"	14,58	60	Aisi 304	E	
	5,00			13/64"	14,43	60	AR	E	Std.
	6,00			15/64"	19,88	55	AR	E	Std.
17,50	5,00	11/16"	0,689	13/64"	14,26	60	Aisi 304	E	
	5,00			13/64"	14,11	60	AR	E	
18,00	3,15	23/32"	0,709	1/8"	5,96	72	AR	E	
	4,00			5/32"	9,33	67	Aisi 304	E	
	4,00			5/32"	9,24	67	AR	E	
	6,00			15/64"	19,05	56	AR	E	Std.
19,00	4,00	3/4"	0,748	5/32"	8,93	68	Aisi 304	E	
	4,00			5/32"	8,83	68	AR	E	
	6,30			1/4"	19,92	56	AR	A	Std.
19,50	5,00	49/64"	0,768	13/64"	12,96	63	AR	A	
	5,00			13/64"	13,09	63	Aisi 304	A	
20,00	2,00	51/64"	0,787	5/64"	2,31	83	AR	A.Ond.	
	2,00			5/64"	2,33	83	Aisi 304	A.Ond.	
	3,15			1/8"	5,44	75	AR	A	
	3,15			1/8"	5,44	75	AR	E	Std.
	4,00			5/32"	8,55	69	Aisi 304	A	
	4,00			5/32"	8,47	69	AR	A	Std.
	5,00			13/64"	12,70	64	AR	A	Std.
	5,00			13/64"	12,83	64	Aisi 304	E	
	6,30			1/4"	19,17	58	AR	E	Std.
	8,00			5/16"	29,03	51	AR	A	
21,00	4,00	53/64"	0,827	5/32"	8,13	71	AR	A	
22,00	3,00	55/64"	0,866	0,118	4,62	77	Aisi 304	A	
	3,15			1/8"	5,01	77	AR	E	Std.
	5,00			13/64"	11,88	66	Aisi 304	E	
	5,00			13/64"	11,76	66	AR	E	Std.
	8,00			5/16"	27,09	54	AR	A	
22,40	6,30	7/8"	0,882	1/4"	17,56	61	AR	E	Std.
23,00	6,30	29/32"	0,906	1/4"	17,20	62	AR	E	Std.
24,00	4,00	61/64"	0,945	5/64"	7,26	73	AR	A.Ond.	
	4,00			5/64"	7,33	73	Aisi 304	A.Ond.	
	5,00			13/64"	10,95	68	AR	A	
	5,00			13/64"	11,06	68	Aisi 304	E	
	6,30			1/4"	16,64	63	AR	E	Std.
	8,00			5/16"	25,40	56	AR	E	Std.
25,00	4,00	63/64"	0,984	5/32"	7,08	74	Aisi 304	E	
	4,00			5/32"	7,01	74	AR	E	Std.
	5,00			13/64"	10,69	69	Aisi 304	E	
	5,00			13/64"	10,58	69	AR	E	
	6,30			1/4"	16,27	64	AR	E	Std.
	8,00			5/16"	24,63	57	AR	E	Std.

■ **AISI 304L / EN 1.4307:** Austenitic stainless steel with low carbon content.

■ **AISI 304 / EN 1.4301:** High resistance austenitic stainless steel.

■ **AISI 316 / EN 1.4401:** Austenitic stainless steel with molybdenum to increase the corrosion resistance.

■ **AR / EN 10270:** Wear resistant steel with a high content of carbon and manganese.

■ **Std.:** Standard wires/apertures.

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## Square apertures

Aperture mm	Ø Wire	Inch	Mesh/Inch	Ø Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type	Std.
26,00	6,30	1+1/64"	1,024	1/4"	15,61	65	AR	E	
	8,00			5/16"	23,91	58	AR	E	
27,00	5,00	1+1/6"	1,063	13/64"	10,02	71	Aisi 304	E	
	5,00			13/64"	9,92	71	AR	E	
	6,30			1/4"	15,14	66	AR	E	Std.
	8,00			5/16"	23,22	60	AR	E	Std.
28,00	4,00	1+7/64"	1,102	5/32"	6,35	77	AR	E	
	4,00			5/32"	6,42	77	Aisi 304	E	
	6,30			1/4"	14,70	67	AR	E	
	8,00			5/16"	22,58	60	AR	E	Std.
30,00	6,30	1+3/16"	1,181	1/4"	13,89	68	AR	E	Std.
	8,00			5/16"	21,39	62	AR	E	Std.
31,50	6,30	1+15/64"	1,240	1/4"	13,34	69	AR	E	
	8,00			5/16"	20,58	64	AR	E	
32,00	8,00	1+17/64"	1,260	5/16"	20,32	64	AR	E	Std.
34,50	6,30	1+27/64"	1,358	1/4"	12,35	72	AR	E	
35,00	8,00	1+3/8"	1,378	5/16"	18,90	66	AR	E	Std.
38,00	8,00	1+1/2"	1,496	5/16"	17,67	68	AR	E	Std.
40,00	6,30	1+7/64"	1,575	1/4"	10,89	75	AR	E	Std.
	8,00			5/16"	16,93	69	AR	E	Std.
	10,00			25/64"	25,40	64	AR	E	Std.
42,00	8,00	1+21/32"	1,654	5/16"	16,26	71	AR	E	
	10,00			25/64"	24,42	65	AR	E	
44,50	6,30	1+3/4"	1,752	1/4"	9,92	77	AR	E	Std.
45,00	8,00	1+49/64"	1,772	5/16"	15,34	72	AR	E	Std.
	10,00			25/64"	23,09	67	AR	E	Std.
50,00	10,00	1+31/32"	1,969	25/64"	21,17	69	AR	E	Std.
55,00	10,00	2+11/64"	2,165	25/64"	19,54	72	AR	E	Std.
60,00	10,00	2+23/64"	2,362	5/16"	18,14	73	AR	E	Std.
	12,00			15/32"	25,40	69	AR	E	Std.
63,00	10,00	2+31/64"	2,480	5/16"	17,40	74	AR	E	
	12,00			15/32"	24,38	71	AR	E	
70,00	10,00	2+3/4"	2,756	5/16"	15,88	77	AR	E	
	12,00			15/32"	22,30	73	AR	E	
	14,00			35/64"	29,63	69	AR	E	
75,00	10,00	2+61/64"	2,953	5/16"	14,94	78	AR	E	
	12,00			15/32"	21,02	74	AR	E	
	14,00			35/64"	27,97	71	AR	E	
80,00	10,00	3+5/32"	3,150	5/16"	14,11	79	AR	E	
	12,00			15/32"	19,88	76	AR	E	
	14,00			35/64"	26,48	72	AR	E	
85,00	10,00	3+11/32"	3,346	5/16"	13,37	80	AR	E	
	12,00			15/32"	18,85	77	AR	E	
	14,00			35/64"	25,14	74	AR	E	

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## Square apertures

Aperture mm	Ø Wire	Inch	Mesh/Inch	Ø Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type	Std.
90,00	10,00	3+35/64"	3,543	5/16"	12,70	81	AR	E	
	12,00			15/32"	17,93	78	AR	E	
	14,00			35/64"	23,93	75	AR	E	
95,00	12,00	3+47/64"	3,740	15/32"	17,09	79	AR	E	
	14,00			35/64"	22,84	76	AR	E	
100,00	12,00	3+15/16"	3,937	15/32"	16,33	80	AR	E	Std.
	14,00			35/64"	21,84	77	AR	E	
105,00	12,00	4+9/64"	4,134	15/32"	15,63	81	AR	E	
	14,00			35/64"	20,92	78	AR	E	
110,00	12,00	4+21/64"	4,331	15/32"	14,99	81	AR	E	
	14,00			35/64"	20,07	79	AR	E	
115,00	12,00	4+17/32"	3,740	15/32"	17,09	79	AR	E	
	14,00			35/64"	22,84	76	AR	E	
120,00	12,00	4+23/32"	3,740	15/32"	17,09	79	AR	E	
	14,00			35/64"	22,84	76	AR	E	
125,00	12,00	4+59/64"	3,740	15/32"	17,09	79	AR	E	
	14,00			35/64"	22,84	76	AR	E	
130,00	12,00	4+1/8"	3,740	15/32"	17,09	79	AR	E	
	14,00			35/64"	22,84	76	AR	E	
140,00	12,00	4+33/64"	3,740	15/32"	17,09	79	AR	E	
	14,00			35/64"	22,84	76	AR	E	

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□ **AISI 304 / EN 1.4301:** High resistance austenitic stainless steel.

□ **AISI 316 / EN 1.4401:** Austenitic stainless steel with molybdenum to increase the corrosion resistance.

□ **AR / EN 10270:** Wear resistant steel with a high content of carbon and manganese.

□ **Std.:** Standard wires/apertures.

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## Rectangular apertures

Aperture mm	Ø Wire	Inch	Mesh/Inch	Ø Inch	Kg/m <sup>2</sup>	Screening Area %	Material	Mesh Type
0,70 x 2,10	0,44 - 0,66		23 x 9	0,017 x 0,026	2,04	67	Aisi 304L	BF
1,00 x 3,00	0,60 - 0,70		16 x 6	0,024 x 0,028	2,23	51	Aisi 304L	BF
1,50 x 4,50	0,80 x 1,00		11 x 4	0,031 x 0,039	2,04	67	Aisi 304L	BF
1,50 x 20,00	1,25	0,059 x 0,787		0,049	4,18	51	AR	B
1,50 x 50,00	1,25	0,059 x 1,97		0,049	4,12	53	AR	C
2,00 x 20,00	1,60	0,079 x 0,787		1/16"	5,41	51	AR	B
2,00 x 50,00	1,25	0,079 x 1,97		0,049	3,56	60	AR	C
	1,50		3/64"	4,59	56	Aisi 304	C	
	1,60		1/16"	5,33	54	AR	C	
2,50 x 50,00	1,20	0,098 x 1,97		3/64"	3,01	66	Aisi 304	C
	1,25		0,049	3,15	65	AR	C	
	1,50		0,059	4,39	61	Aisi 304	C	
	1,60		1/16"	4,77	59	AR	C	
3,00 X 50,00	1,50	0,118 X 1,97		0,059	3,63	65	Aisi 304	C
	1,60		1/16"	3,95	63	AR	C	
3,20 x 16,00	1,60 - 1,25	0,126 x 0,63		1/16" - 0,049	4,43	61	AR	B
3,20 x 23,00	1,60 - 1,25	0,126 x 0,906		1/16" - 0,049	4,16	62	AR	B
3,50 X 50,00	1,50	0,138 X 1,97		0,059	3,63	68	Aisi 304	C
	1,60		1/16"	3,97	67	AR	C	
4,00 X 50,00	2,00	0,157 X 1,97		5/64"	5,58	64	Aisi 304	C
	2,00		5/64"	5,41	64	AR	C	
4,50 x 13,20	1,50 - 1,20	0,177 x 0,52		0,059 - 3/64"	3,53	67	Aisi 304	B
5,00 x 12,00	2,00 - 1,25	0,197 x 0,472		5/64" - 0,049	5,59	61	AR	B
5,00 X 50,00	2,00	0,197 X 1,97		5/64"	4,94	69	Aisi 304	C
	2,00		5/64"	4,77	69	AR	C	
5,00 x 60,00	2,50	0,197 x 2,362		0,098	6,81	64	AR	C
6,00 X 50,00	2,00	0,236 X 1,97		5/64"	4,55	72	Aisi 304	C
	2,00		5/64"	4,29	72	AR	C	
6,00 x 60,00	2,80	0,236 x 2,362		7/64"	7,50	65	AR	C
7,00 x 60,00	3,15	0,276 x 2,362		1/8"	8,45	65	AR	C
8 x 60,00	3,15	0,315 x 2,362		1/8"	7,85	68	AR	C
9 x 60,00	3,15	0,354 x 2,362		1/8"	7,33	70	AR	C
10,00 x 60,00	3,15	0,394 x 2,362		1/8"	6,89	72	AR	C
	4,00		5/32"	10,55	67	AR	C	
12,00 x 60,00	3,15	0,472 x 2,362		1/8"	6,17	75	AR	C
	4,00		5/32"	9,50	70	AR	C	
20,00 x 100,00	8,00	0,787 x 3,937		5/16"	18,77	66	AR	B
22,00 x 80,00	8,00	0,866 x 3,15		5/16"	18,46	67	AR	D
22,00 x 100,00	8,00	0,866 x 3,937		5/16"	17,78	68	AR	B
24,00 x 120,00	8 - 6,30	0,945 x 4,724		5/16" - 1/4"	19,05	62	AR	D
25,00 x 120,00	8,00	0,984 x 4,724		5/16"	15,55	71	AR	D
28,00 x 120,00	8,00	1,102 x 4,724		5/16"	14,51	73	AR	D

- **AISI 304L / EN 1.4307:** Austenitic stainless steel with low carbon content.
- **AISI 304 / EN 1.4301:** High resistance austenitic stainless steel.
- **AISI 316 / EN 1.4401:** Austenitic stainless steel with molybdenum to increase the corrosion resistance.
- **AR / EN 10270:** Wear resistant steel with a high content of carbon and manganese.

NUBA Screening Media, at the customer's request can provide a Quality Inspection Certificate (compliant with EN 10204.3.1.B) showing the chemical and mechanical properties of the materials. Other Aperture/wire combinations and materials such as galvanized steel etc. are available at customer's request.

